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E5400 Bonneted Knife Gate Valve

Product Brief

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The E5400 Bonneted KGV is designed for use in a wide variety of industrial and municipal applications. The bonneted design provides reduced operating torque, reduced maintenance, and eliminates odours and emissions to the atmosphere. The E5400 configured with a metal seat option is suitable for use on light solids and powder applications.

Features & Benefits

- Manufactured from stainless steel for durability and corrosion resistance
- Beveled gate design ensures pressure independent process seal
- Pressure bonnet design for improved maintenance options when valve is in situ
- Easily configurable for mounting of various actuation options including bevel gear, pneumatic or hydraulic cylinders, and electric actuators
- Grease fitting on stainless steel handwheel bearing reduces operating torques

Technical Details & Standards

- Standard sizes available: 2” to 72”
- CF8 or CF8M body
- Polished 304SS or 316SS gate
- 304SS stem and yoke
- Viton®, EPDM (NSF 61), or metal seat
- Braided PTFE packing with adjustable packing follower
- 2”- 24” = 150psi / >30” = 30psi standard pressure ratings (higher pressure ratings are achieved with alternate components and materials)
- Fully lugged, ASME B16.5 Class 150 flange pattern (alternate flange patterns available on request)
- AWWA C520 compliant
- Meets MSS SP-81 and TAPPI-TIS 405 design requirements
- CRN

Available Options

- Specialty gate coatings including Xylan®, or hard chrome for improved wear resistance
- Alternate seat materials including NBR, EPDM (NSF 61), or Aflas® for process compatibility
- Energized or live loaded packing for reduced maintenance
- Proximity switches for gate position feedback
- V-port insert for linear flow control
- API 622 packing materials for Low Fugitive Emission requirements
- NSF 61 materials for clean water applications
- Stem extensions with non-rising stem design
- Purge port for bonnet clean out

25-0010-V2

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